

Amendments to the Specification

Please replace the abstract on page 76 with the following rewritten paragraph:

A system for ~~spectroscopic~~ imaging of bodily tissue in which ~~a scintillation screen and a charged coupled device (CCD)~~ an x-ray source, an optical storage element, a light source and a detector array are used to accurately image selected tissue. An x-ray source generates x-rays which pass through a region of a subject's body, forming an x-ray image which reaches ~~the scintillation screen~~ the storage element. The ~~scintillation screen~~ storage element reradiates a spatial intensity pattern corresponding to the image, the pattern being detected by a ~~CCD~~ sensor. The image is digitized by the sensor and processed by a controller before being stored as an electronic image. Each image is directed onto ~~an associated respective~~ a CCD or amorphous silicon detector to generate individual electronic representations of ~~the~~ separate images.